

MINNESOTA PRACTICE STANDARDS FOR CULTURAL RESOURCES REVIEW
(updated February 2008)

Conservation Practice	Code	Exempt	Undertaking
Access Road (ft)	560		X
Alley Cropping (ac)	311	X	
Anaerobic Digester-Controlled Temperature (no)	366	X	X
Animal Mortality Facility (no)	316		X
Animal Trails and Walkways (ft)	575		X
Brush Management (ac)	314	X	X
Channel Bank Vegetation (ac)	322		X
Clearing and Snagging (ft)	326	X	
Closure of Waste Impoundments (no)	360	X	
Composting Facility (no)	317		X
Conservation Cover (ac)	327	X	
Conservation Crop Rotation (ac)	328	X	
Contour Buffer Strips (ac)	332	X	
Contour Farming (ac)	330	X	
Cover Crop (ac)	340	X	
Critical Area Planting (ac)	342	X	X
Cross Wind Ridges (ac)	589A	X	
Cross Wind Trap Strips (ac)	589C	X	
Dam (no, ac, ft)	402		X
Deep Tillage (ac)	324		X
Dike (ft)	356		X
Diversion (ft)	362		X
Drainage Water Management	554	X	
Dry Hydrant (ea)	432		X
Early Successional Habitat Development/Mgt. (ac)	647	X	
Fence (ft)	382	X	
Field Border (ft)	386	X	
Filter Strip (ac)	393	X	X
Firebreak (ft)	394	X	X
Fish Passage (mi)	396	X	
Forage Harvest Management	511	X	
Forest Site Preparation (ac)	490	X	X
Forest Stand Improvement (ac)	666	X	
Forest Trails and Landings (ac)	655		X
Grade Stabilization Structure (no)	410	X	X
Grassed Waterway (ac)	412	X	
Heavy Use Area Protection (ac)	561		X
Hedgerow Planting (ft)	422	X	X
Herbaceous Wind Barriers (ft)	603	X	
Irrigation System, Sprinkler (no & ac)	442	X	
Irrigation Water Management (ac)	449	X	
Lined Waterway or Outlet (ft)	468	X	X
Manure Transfer	634		X
Mine Shaft and Adit Closing (no)	457		X
Mulching (ac)	484	X	
Nutrient Management (ac)	590	X	

Conservation Practice	Code	Exempt	Undertaking
Obstruction Removal (ac)	500		X
Open Channel (ft)	582		X
Pasture and Hay Planting (ac)	512	X	
Pest Management (ac)	595	X	
Pipeline (ft)	516	X	X
Pond (no)	378		X
Pond Sealing or Lining, Bentonite Sealant (no)	521C	X	
Pond Sealing or Lining, Flexible Membrane Lining (no)	521A	X	
Prescribed Burning (ac)	338	X	X
Prescribed Grazing (ac)	528	X	
Pumping Plant (no)	533		X
Range Planting (ac)	550	X	
Recreation Area Improvement (ac)	562		X
Residue Management, Mulch Till (ac)	345	X	
Residue Management, No Till and Strip Till (ac)	329	X	
Residue Management, Ridge Till (ac)	346	X	
Residue Management, Seasonal (ac)	344	X	
Restoration and Management of Declining Habitats (ac)	643	X	
Riparian Forest Buffer (ac)	391	X	X
Riparian Herbaceous Cover (ac)	390	X	X
Roof Runoff Management (no)	558	X	
Runoff Management System (no/ac)	570	X	
Salinity and Sodic Soil Management	610	X	X
Sediment Basin (no)	350		X
Spoil Spreading (ac)	572	X	
Spring Development (no)	574		X
Stream Channel Stabilization (ft)	584		X
Stream Crossing (no)	578		X
Stream Habitat Improvement and Management (ac)	395	X	
Streambank and Shoreline Protection (ft)	580		X
Stripcropping (ac)	585	X	
Structure for Water Control (no)	587		X
Subsurface Drain (ft)	606	X	X
Surface Drainage, Field Ditch (ft)	607		X
Surface Drainage, Main or Lateral (ft)	608		X
Terrace (ft)	600	X	X
Tree/Shrub Establishment (ac)	612	X	X
Tree/Shrub Pruning (ac)	660A	X	
Underground Outlet (no)	620	X	X
Upland Wildlife Habitat Management (ac)	645	X	X
Use Exclusion (ac)	472	X	X
Vegetative Barrier (ft)	601	X	X
Waste Facility Cover (no)	367		X
Waste Storage Facility (no)	313		X
Waste Treatment (no)	629	X	
Waste Utilization (ac)	633	X	
Wastewater Treatment Strip	635	X	
Water and Sediment Control Basin (no)	638		X
Water Harvesting Catchment (no)	636	X	
Water Well (no)	642		X
Watering Facility (no)	614	X	X

Conservation Practice	Code	Exempt	Undertaking
Well Decommissioning (no)	351	X	
Wetland Creation (ac)	658	X	X
Wetland Enhancement (ac)	659	X	X
Wetland Restoration (ac)	657	X	X
Wetland Wildlife Habitat Management (ac)	644	X	X
Windbreak/Shelterbelt Establishment (ft)	380	X	X
Windbreak/Shelterbelt Renovation (ft)	650	X	X
INTERIM			
Biofilter	795	X	
Sinkhole Treatment	725		X
Terrestrial Invasive Plant Species Pest Management	797	X	

*Explanations for practices listed as both Undertakings and Exempt are presented below:

Anaerobic Digester – If any components (i.e. pipes, tank, waste storage) are installed underground then it is considered an Undertaking.

Brush Management – Undertaking when using mechanical means. Exempt when chemical.

Critical Area Planting – Undertaking when it involves grading or shaping or breaks new ground.

Filter Strip - Undertaking when it involves grading or shaping or breaks new ground.

Firebreak – It is an Undertaking in non-cropped areas.

Forest Site Preparation – Undertaking if any mechanical treatments are applied (disking, plowing, dozing, land clearing blade use, etc.).

Grade Stabilization – Exempt when repairing or rehabing existing structure(s) and when disturbance is limited to the originally disturbed area.

Undertaking if borrow will be acquired adjacent to the repair/rehab site. In all other cases it is an Undertaking and the area of impact includes borrow areas.

Hedgerow Planting – Undertaking if disturbance is related to planting or renovation; Undertaking if disturbance is vertically and/or horizontally significant and/or in a high probability area for cultural resources.

Lined Waterway or Outlet – If it is a new installation then it is an Undertaking. If adding a liner to a previously disturbed waterway (e.g. adding a liner on top of a waterway and anchoring down with staples) then Exempt.

Pipeline – Below ground installation is considered an Undertaking, above ground is Exempt.

Prescribed Burning – Exempt in previously cropped areas. Undertaking in non-cropped areas.

Riparian Forest Buffer – This practice is typically installed in high probability areas therefore with any degree of site preparation or alteration it should be considered an Undertaking. If hand planting with minimal disturbance or if natural vegetation is the preferred method then it is Exempt.

Riparian Herbaceous Cover – Undertaking when new or significant ground disturbance is involved.

Salinity and Sodic Soil Management – When a subsurface drain or subsurface disturbance is required then it is an Undertaking. If applying chemical treatment or shallow vegetative planting then it is Exempt.

Stream Habitat Improvement and Management – Review depends on degree of disturbance.

Subsurface Drain – If it's a repair or replacement with no new disturbance then it is Exempt.

Terraces – Undertaking when new terraces are being constructed. Exempt when repairing or reworking existing terraces.

Tree/Shrub Establishment – Exempt when disturbance is minimal or in already disturbed areas. If disturbance will be below the plow zone or substantial impacts are anticipated in a high probability area for cultural resources then it is an Undertaking.

Underground Outlet – When being repaired or replaced in a previously disturbed area then Exempt. Otherwise it's an Undertaking.

Upland Wildlife Habitat Management – Undertaking when vegetative manipulation involves mechanical means or prescribed burning. Same for tree and shrub plantings - when disturbance is either extensive or accomplished by mechanical means in previously undisturbed areas then it's an Undertaking.

Use Exclusion – Undertaking when disturbance from constructing barriers (natural or artificial), fencing, or plantings is significant.

Vegetative Barrier – Undertaking when site preparation is mechanical or disturbance from either site prep or planting is significant.

Wetland Enhancement and Restoration – If disturbance, including borrow areas, is outside of, adjacent to, or on the edge of the basin it is an Undertaking.

If disturbance is limited to the wetland basin or previously disturbed areas (i.e. tile breaks, repairing a dam, etc.) it is Exempt.

Wetland Wildlife Habitat Management – Undertaking when installing water control structures or performing restoration activities (including the need for borrow or earth moving). Exempt when installing artificial structures or performing shallow vegetative plantings.

Windbreak/Shelterbelt Establishment and Renovation – Exempt when the project area has been previously disturbed or impacts will be shallow (i.e. in or above the plow zone). Undertaking when disturbance is significant (e.g. using heavy equipment to clear, burn, and/or bury piles of old trees or excavate to plant large trees).